

Title (en)
Oligosaccharide composition for treating acute respiratory tract infections

Title (de)
Oligosaccharid Zusammensetzung zur Behandlung von akuten Atemwegsinfektionen

Title (fr)
Composition comprenant des oligosaccharides pour le traitement des infections des voies respiratoires aiguës

Publication
EP 2465509 A1 20120620 (EN)

Application
EP 10192230 A 20101123

Priority
EP 10192230 A 20101123

Abstract (en)
The inventions discloses a composition comprising at least one N-acetyl lactosamine, at least one sialylated oligosaccharide and at least one fucosylated oligosaccharide, for use in preventing acute respiratory infections (ARI) and/or relieving symptoms of said ARI infections. Preferably said composition is a starter infant formula. Said acute respiratory infection is in particular bronchiolitis or otitis.

IPC 8 full level
A61K 31/702 (2006.01); **A23L 1/09** (2006.01); **A23L 33/00** (2006.01); **A61K 35/00** (2006.01); **A61K 35/745** (2015.01); **A61K 35/747** (2015.01); **A61K 45/06** (2006.01); **A61P 11/00** (2006.01); **A61P 27/16** (2006.01); **A61P 31/00** (2006.01); **C12N 1/00** (2006.01)

CPC (source: EP US)
A23L 33/10 (2016.07 - EP US); **A23L 33/18** (2016.07 - EP US); **A23L 33/21** (2016.07 - EP US); **A23L 33/40** (2016.07 - EP US); **A61K 31/702** (2013.01 - EP US); **A61K 31/726** (2013.01 - EP US); **A61K 35/741** (2013.01 - US); **A61K 35/745** (2013.01 - EP US); **A61K 35/747** (2013.01 - EP US); **A61K 45/06** (2013.01 - EP US); **A61P 11/00** (2017.12 - EP); **A61P 27/16** (2017.12 - EP); **A61P 31/00** (2017.12 - EP); **A61P 31/04** (2017.12 - EP); **A23V 2002/00** (2013.01 - EP US)

Citation (applicant)
• EP 0975235 B1 20060524 - ABBOTT LAB [US]
• US 5288637 A 19940222 - ROTH STEPHEN [US]
• WO 9610086 A1 19960404 - UNIV ROCKEFELLER [US]
• GIBSON GR; ROBERFROID MB: "Dietary modulation of the human colonic microbiota: introducing the concept of prebiotics", J NUTR., vol. 125, 1995, pages 1401 - 12
• SALMINEN S; OUWEHAND A.; BENNO Y. ET AL.: "Probiotics: how should they be defined", TRENDS FOOD SCI. TECHNOL., vol. 10, 1999, pages 107 - 10
• WRODNIGG, T.M.; STUTZ, A.E., ANGEW. CHEM. INT. ED., vol. 38, 1999, pages 827 - 828

Citation (search report)
• [Y] WO 2007144334 A1 20071221 - NESTEC SA [CH], et al
• [A] EP 2060257 A1 20090520 - NESTEC SA [CH]
• [A] EP 1629850 A1 20060301 - NUTRICIA NV [NL]
• [A] WO 2005055944 A2 20050623 - CHILDRENS HOSP MEDICAL CENTER [US], et al
• [XY] SHEARD N F: "Breast-feeding protects against Otitis media", NUTRITION REVIEWS 1993 US, vol. 51, no. 9, 1993, pages 275 - 277, XP008134479, ISSN: 0029-6643
• [XY] FORNARINI B ET AL: "Human milk 90K (Mac-2 BP): possible protective effects against acute respiratory infections.", CLINICAL AND EXPERIMENTAL IMMUNOLOGY JAN 1999 LNKD- PUBMED:9933425, vol. 115, no. 1, January 1999 (1999-01-01), pages 91 - 94, XP002629129, ISSN: 0009-9104
• [Y] DEBARBIEUX L ET AL: "Bacteriophages can treat and prevent pseudomonas aeruginosa lung infections", JOURNAL OF INFECTIOUS DISEASES 20100401 UNIVERSITY OF CHICAGO PRESS USA LNKD- DOI:10.1086/651135, vol. 201, no. 7, 1 April 2010 (2010-04-01), pages 1096 - 1104, XP008134488, ISSN: 0022-1899
• [A] BERTINO E ET AL: "Effects of holder pasteurization on human milk oligosaccharides", INTERNATIONAL JOURNAL OF IMMUNOPATHOLOGY AND PHARMACOLOGY, UNIVERSITA DEGLI STUDI DI CHIETI E PESCARA GABRIELE D'ANNUNZIO, IT, vol. 21, no. 2, 1 January 2008 (2008-01-01), pages 381 - 385, XP008134308, ISSN: 0394-6320

Cited by
EP2745705A1; RU2742510C2; EP3952882A4; EP4149950A4; AU2017302181B2; US11179405B2; WO2014100225A1; US10471084B2; US10729707B2; US12016869B2; WO2018020473A1; WO2022226311A1; US11432578B2; US11957148B2; WO2016138911A1; WO2018046311A1; WO2017103850A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2465509 A1 20120620; AU 2011340882 A1 20130530; AU 2011340882 B2 20161020; BR 112013012598 A2 20160809; CA 2818012 A1 20120614; CL 2013001433 A1 20131213; CN 103582485 A 20140212; EP 2643006 A1 20131002; IL 226348 A0 20130731; MX 2013005727 A 20130703; MX 343321 B 20161101; RU 2013128570 A 20141227; RU 2593321 C2 20160810; SG 190323 A1 20130628; TW 201302205 A 20130116; US 2013236424 A1 20130912; US 9763465 B2 20170919; WO 2012076323 A1 20120614

DOCDB simple family (application)
EP 10192230 A 20101123; AU 2011340882 A 20111121; BR 112013012598 A 20111121; CA 2818012 A 20111121; CL 2013001433 A 20130517; CN 201180056475 A 20111121; EP 11784695 A 20111121; EP 2011070563 W 20111121; IL 22634813 A 20130513; MX 2013005727 A 20111121; RU 2013128570 A 20111121; SG 2013038179 A 20111121; TW 100142957 A 20111123; US 201113988975 A 20111121